

CLAIMS

We claim:

- 5 1. A poured concrete material having a plastic film embedded in the concrete to control cracking.
2. The poured concrete material according to claim 1, wherein the plastic film has a thickness between 1 mil and 10 mil.
- 10 3. The poured concrete material according to claim 1, wherein the plastic film material extends from about the top surface of the concrete to a depth of from one quarter of the thickness to the full depth.
- 15 4. A method of placing concrete comprising the steps of:
pouring a section of concrete;
inserting a film material into the concrete before it completely hardens;
wherein the film material forms a plane of weakness in the concrete after
hardening to control cracking.
- 20 5. The method of placing concrete according to claim 4, wherein the film material has a thickness between 1 mil and 10 mil.
- 25 6. The method of placing concrete according to claim 4, wherein the film material extends from about the top surface of the concrete to a depth of from one quarter of the thickness to the full depth.
7. A joint material adapted to be embedded in concrete to control cracking comprising:
a film material whereas the film material creates a plane of weakness in the concrete.

8. The joint material according to claim 7, wherein the film material has a thickness between 1 mil and 10 mil.

9. The joint material according to claim 7, wherein the film material extends from about the top surface of the concrete to a depth of from one quarter of the thickness to the full depth.

10. A tool for embedding a film material inside concrete comprising:

a plate for contacting the upper surface of the concrete;

a spool for storing the film material prior to embedding; and

a housing for inserting the film material under the upper surface of the concrete.

11. The tool for embedding a film material inside concrete according to claim 10 further comprising vibration means to aid in inserting the film material.

12. A concrete control joint in concrete comprising a film material embedded in the concrete.

13. The concrete control joint according to claim 12, wherein the film material has a thickness from 1 mil to 10 mil.

14. The concrete control joint according to claim 12 wherein the film material extends vertically within the concrete from the top surface to a depth from one-quarter of the thickness of the concrete to the full depth.